

Title (en)

CIRCUIT FOR REDUCING THE INJECTION OF A MINORITY CARRIER INTO A SUBSTRATE

Title (de)

SCHALTUNGSANORDNUNG ZUR VERRINGERUNG EINER MINORITÄTSTRÄGERINJEKTION IN EIN SUBSTRAT

Title (fr)

CIRCUITERIE PERMETTANT DE REDUIRE UNE INJECTION DE PORTEUR MINORITAIRE DANS UN SUBSTRAT

Publication

EP 0826241 B1 20030326 (DE)

Application

EP 96919546 A 19960515

Priority

- DE 9600859 W 19960515
- DE 19518524 A 19950519

Abstract (en)

[origin: DE19518524A1] To provide protection against incorrect operation through injected minority carriers, the circuit provides a series circuit of a first transistor (T1, T2) and a first diode (D1) connected to an external terminal (O) which is arranged between a supply potential (V+) and the external terminal (O) of the circuit and which is back-coupled by a control loop (T3, D2, R1, R2) from the external terminal to the control terminal of the first transistor.

IPC 1-7

H01L 27/02

IPC 8 full level

H01L 27/02 (2006.01)

CPC (source: EP US)

H01L 27/0248 (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

DE 19518524 A1 19961121; DE 19518524 C2 19970320; DE 59610274 D1 20030430; EP 0826241 A1 19980304; EP 0826241 B1 20030326; US 5982216 A 19991109; WO 9636997 A1 19961121

DOCDB simple family (application)

DE 19518524 A 19950519; DE 59610274 T 19960515; DE 9600859 W 19960515; EP 96919546 A 19960515; US 97425797 A 19971119